

February 18, 2021



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 20850  
(FIRST REVISION)

**EXPIRATION DATE: 2025-01-31**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Insituform Technologies, LLC  
Chesterfield, MO
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of resin-impregnated, coated polyester felt tube used as a means of restoring structural integrity to aging or damaged pipelines through the use of a cured-in-place pipe ("CIPP") technology. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.203 and 173.242 in that alternative packaging is authorized, as provided herein.
5. BASIS: This special permit is based on the application of Insituform Technologies, LLC dated January 7, 2021, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Resin Solution, flammable	3	UN1866	III

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) Prescribed packaging is described as the Insitutube, a resin-impregnated, coated polyester felt tube containing no more than 7,500 gallons of resin.

(2) The Insitutube must be in accordance with the requirements described in the application on file with the Office of Hazardous Materials Safety Approvals and Permits Division.

(3) The tube must be manufactured using multiple layers of polyester felt, with one layer coated with polypropylene plastic and sealed at each end with a crimping/capping process to prevent leakage. The layers must be sewn concentrically to form a tube. The coated layer must be sealed at the seam using either an extrusion or a taping process. The extrusion process must be used on standard (inverted) tubes, and the taping process must be used on the pull-in tubes. Standard tubes must be manufactured with the coated layer on the inside; pull-in tubes must be manufactured with the coated layer on the outside. Pull-in tubes must be placed in a plastic wrap prior to shipment to contain the resin. Tubes cured with ultraviolet (UV) light ("UV CIPP") must be additionally sealed with a UV barrier over the tube, crimped, capped, and further sealed in a closed, opaque crate for transport. The closures must remain closed under conditions normally incident to transportation. The fabric tube, including the seam, must have a minimum tensile strength of 750 psi (5 MPa) in both the longitudinal and transverse directions.

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b. OPERATIONAL CONTROLS:

(1) All tubes must be visually inspected for any signs of leakage prior to transportation. There shall be no leakage of resin throughout transportation.

(2) The tubes may only be transported between Insituform Technologies, LLC's "wet out" facilities and job sites, and in the case of multiple-day projects, between job sites and interim bases.

(3) Tubes cured by water or steam must be transported in a refrigerated shipping container or transportation vehicle maintaining a temperature of no greater than 30 °F (-1.1 °C).

(4) Tubes must be transported away from any type of ignition source.

(5) Tubes must be used a means of restoring structural integrity to aging or damaged pipelines through the use of a "CIPP" technology.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator

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for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm). Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: Kenny Herzog/Ben Moore